

R-50H TECHNICAL SPECIFICATIONS

OUTPUT POWER RATING	50 Watts RMS @ 10 % THD 8 ohm load 120 VAC
SIGNAL TO NOISE RATIO	65dB Typical
POWER REQUIREMENTS	Domestic 100/120 VAC, 60 Hz, 115VA Export: 100/115 VAC, 50/60 Hz, 115VA 230VAC, 50/60Hz, 115VA
GAIN	60 dB Clean channel, 95 dB Overdrive channel
TREBLE	24 dB Range @ 5 kHz Clean channel 24 dB Range @2kHz Overdrive Channel
MID	8 dB Range @ 700 Hz
BASS	24 dB Range @ 40 Hz
TUBE COMPLEMENT	Power Amp: EL34 (2); Preamp: 12AX7A (3)
SIZE AND WEIGHT	29.75"W x 11.25" H x 9.5"D, 34.2 lbs.

The R-50H is covered with a durable Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. PLEASE FOLLOW THESE PRECAUTIONARY GUIDELINES:

PRECAUCION
RIESGO DE CORRIENTAZO
NO ABRA

PRECAUCION PARA DISMINUIR EL RIESGO DE CORRIENTAZO NO ABRA LA CUBIERTA
NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDO REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS

ATTENTION
RISQUE D'ELECTROCUTION
NE PAS OUVRI

ATTENTION: POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.

VORSICHT
ELEKTRISCHE SCHLAGEGEFAHR
NICHT OFFENEN

VORSICHT: ZUR MINIMIERUNG ELEKTRISCHER SCHLAGEGEFAHR NICHT DEN DECKEL ABNEMMEN. INTERNE TEILE KONNEN NICHT VOM BENUTZER GEWARTET WERDEN. DIE WARTUNG IS QUALIFIZIERTEM WARTUNGSPERSONAL ZU UBERLASSEN.

THIS EQUIPMENT HAS BEEN DESIGNED AND ENGINEERED TO PROVIDE SAFE AND RELIABLE OPERATION. IN ORDER TO PROLONG THE LIFE OF THE UNIT AND PREVENT ACCIDENTAL DAMAGES OR INJURY PLEASE FOLLOW THESE PRECAUTIONARY GUIDELINES:

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN CHASSIS. DO NOT DEFEAT OR REMOVE THE GROUND PIN OF THE POWER CORD. CONNECT ONLY TO A PROPERLY GROUNDED AC POWER OUTLET.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION: OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.

ESTE APARATO HA SIDO DISEÑADO Y CONSTRUÍDO PARA PROVEER AÑOS DE OPERACIÓN SEGURA Y CONFIABLE. PARA PROLONGAR LA VIDA DE ESTA UNIDAD E IMPEDIR DAÑOS ACCIDENTALES POR FAVOR SIGA ESTAS INSTRUCCIONES PREVENTIVAS:

PRECAUCION: PARA DISMINUIR EL RIESGO DE DESCARGAS ELÉCTRICAS: (1) NO ABRA LA CUBIERTA, (2) NO ES RECOMENDABLE REMOVER O DESACTIVAR LA PATA DEL POLO A TIERRA DEL CABLE DE CORRIENTE. CONECTE CORRECTAMENTE A UNA TOMA DE CORRIENTE A TIERRA.

ADVERTENCIA: PARA EVITAR DESCARGAS ELÉCTRICAS O PELIGRO DE INCENDIO, NO DEJE ESTE APARATO EXPUESTO A LA LLUVIA O HUMEDAD.

PRECAUCION: NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDA REPARAR. DEJE TODO MANTENIMIENTO A LOS TÉCNICOS CALIFICADOS.

PRECAUCION: NUESTROS AMPLIFICADORES PUEDEN PRODUCIR NIVELES DE PRESIÓN DE SONIDO ALTO. EXPOSICIÓN CONTINUADA A LOS NIVELES DE PRESIÓN DE SONIDO ALTO PUEDE CAUSAR DAÑO PERMANENTE A SU OÍDO. ES ACONSEJADO QUE USE PRECAUCIÓN AL USUARIO Y ES RECOMENDADO PROTECCIÓN PARA LOS OÍDOS SI LA UNIDAD ES OPERADA A VOLUMEN ALTO.

CET ÉQUIPEMENT AVAIT ÉTÉ INVENTÉ ET ARRANGÉ POUR POURVOIR DES ANNÉES D'USAGE SAUF ET SÛR. POUR PROLONGER LA VIE DE CET APPAREIL ET POUR ÉVITER LES DOMMAGES ET LES TORTS ACCIDENTELS, SUIVEZ LES INSTRUCTIONS DE PRÉCAUTION.

AVERTISSEMENT: POUR RÉDUIRE LES RISQUES D'ÉLECTROCUTION: (1) N'OUVREZ PAS LE CHÂSSIS, (2) NE PAS ESSAYER DE SUPPRIMER LA BROCHE CORRESPONDANT À LA TERRE.

ATTENTION: POUR RÉDUIRE LES RISQUES D'UN FEU OU D'ELECTROCUTION, N'EXPOSEZ PAS L'APPAREIL À LA PLUIE OU À LA MOITEUR.

ATTENTION: IL N'Y A PAS D'ÉLÉMENTS RÉPARABLES DANS L'APPAREIL. CONSULTER UN TECHNICIEN QUALIFIÉ POUR LES RÉPARATIONS.

ATTENTION: NOS AMPLIFICATEURS SONT CAPABLES DE LA PRODUCTION DES NIVEAUX DE SON D'UNE HAUTE PRESSION. L'EXPOSITION CONTINUE AUX CES NIVEAUX PEUT CAUSER LA SURDITÉ PERMANENTE. LA PRUDENCE EST ADVISÉ À UTILISATEUR ET LA PROTECTION DES OREILLES EST RECOMMANDÉ SI L'APPAREIL EST UTILISÉ À UN HAUT NIVEAU DE VOLUME.

EXPLANATION OF GRAPHICAL SYMBOLS:
EXPLICACION DE SIMBOLOS GRAFICOS:
EXPLICATION DES SYMBOLES GRAPHIQUES:

= "DANGEROUS VOLTAGE"
"VOLTAJE PELIGROSO"
"DANGER HAUTE TENSION"
"GEFAHLICHE SPANNUNG"

= "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL."
"ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES."
"REFERREZ-VOUS AU MANUAL D'UTILISATION"
"UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"

Specs and other information subject to change without notice.

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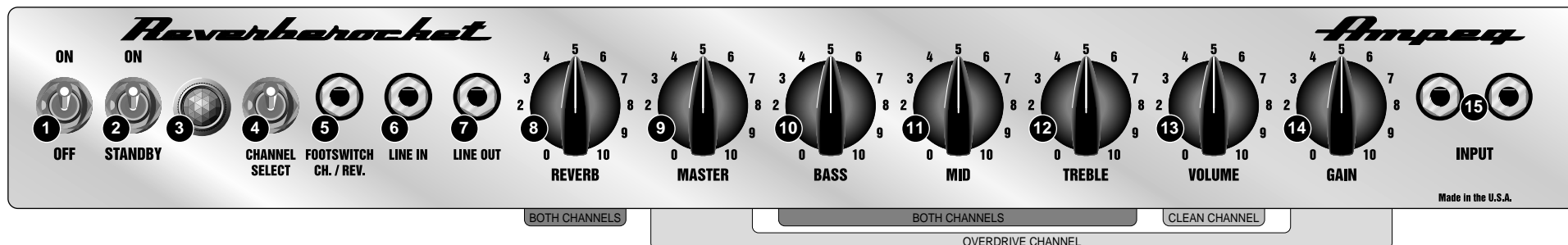


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MODEL R-50H

OWNER'S GUIDE

THE FRONT PANEL:



1. Power switch turns the main power on and off. *Always turn this switch on first, off last. Turn the Standby switch (#2) on at least 30 seconds after turning on the Power switch.*

2. Standby switch activates the amplifier when ready for play. *Always turn this switch off first, on last. Turn the Power switch (#1) on at least 30 seconds before turning on the Standby switch. During short breaks of use, turn the Standby switch off, leaving the Power switch on. This will help prolong the life of the amplifier's tubes.*

IMPORTANT! PLEASE NOTE:
Always connect the amplifier to a suitable speaker cabinet and set the Impedance switch (#18) to the proper setting **BEFORE** turning the amplifier on!

3. Power light indicates the amplifier is turned on by glowing an iridescent blue color.

4. Channel Select activates the clean channel in the down position and the overdrive channel in the up position. When a footswitch is connected (see #5), this switch is bypassed and has no affect.

5. Footswitch allows "remote control" of the channel selection and reverb on/off. Insert the stereo 1/4" plug of a two-button footswitch (such as Ampeg's AFP-2) here. The "tip" connection controls channel switching, the "ring" controls the reverb.

6. Line In serves as the "return" jack of an effect loop, when connected to the output jack of a floor pedal or rack-mounted processor. This jack can double as a direct-into-the amplifier signal feed when using the amp as a "slave" or extension amplifier.

7. Line Out serves as the "send" jack of an effect loop, when connected to the input jack of a floor pedal or rack-mounted processor. This jack can double as a signal output for connecting directly to a house sound console, recording console, powered monitor or external amplifier.

8. Reverb controls the amount of reverberation applied to both channels. With the control at the "0" position there is no reverb applied; as the control is turned towards "10" the amount of reverb increases accordingly.

9. Master controls the output volume level of the overdrive channel. This control works with the Gain control (#14) to produce sounds from slightly distorted to screaming and everything in between.

10. Bass adjusts the output level of the low frequencies for both channels. This control offers a cut or boost of 24dB at 40Hz for both channels.

11. Mid adjusts the output level of the middle frequencies for both channels. This control offers a cut or boost of 8dB at 700Hz for both channels.

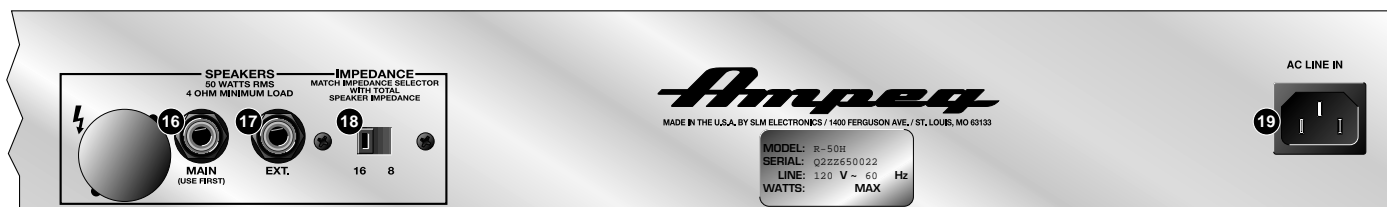
12. Treble adjusts the output level of the high frequency range for both channels. This control offers a cut or boost of 24dB at 5kHz for the clean channel, 24dB at 2kHz for the overdrive channel.

13. Volume controls the output level of the clean channel.

14. Gain sets the amount of overdrive distortion for the overdrive channel. This control works along with the Master control (#9).

15. Each Input accepts a standard 1/4" instrument plug from your electric guitar. The right input is at 0dB level while the left input is padded 6dB to compensate for higher output sources.

THE REAR PANEL:



16. Main Speaker jack: Use this jack to connect the amplifier to your speaker cabinet. Always use this jack "first" – if using a second cabinet, connect it to the Extension Speaker jack (#17).

17. Ext. Speaker jack: Use this jack to connect the amplifier to a *second* speaker cabinet – always use the Main Speaker jack (#16) "first."

18. Impedance switch: Use this switch to match the amplifier to the TOTAL impedance of your speaker cabinet(s). Use the following chart to determine the total impedance (in parallel):

CABINET IMPEDANCE	NUMBER OF CABINETS	TOTAL IMPEDANCE
16 ohms	2	8 ohms

19. AC Line In: Use the supplied power cord to connect the amplifier to a suitable source of A.C. voltage. This is a grounded, three-wire cord and must be connected to a properly grounded outlet. **DON'T attempt to defeat the ground connection of the power cord!** See the serial number label for power ratings.

IMPORTANT NOTE ABOUT CERTAIN EXPORT UNITS:
In some areas 1/4" speaker jacks are not acceptable for use on amplifiers capable of high output power levels. For this reason the Speaker jacks on your amplifier may resemble the illustration to the right. Connect the amplifier to your speaker(s) using cables rated for very high output power, terminated with the appropriate connectors.

